

cach subinterval. "." Baild rectangle over interval # i with height 
$$f(x;*)$$
Calculate Riemann Sum

3. Calculate Riemann Sum

Let R be a rectangle in the xy-plane

Let R be a rectangle in the 
$$x_y$$
-plane

$$R = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq y \leq \delta \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \mid C \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \}$$

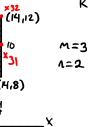
$$A = \{ (x,y) \mid \alpha \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \}$$

$$A = \{ (x,y) \mid \alpha \leq x \leq b \}$$

$$\sum_{i=1}^{\infty}\sum_{j=1}^{\infty}f(x_{ij}^*,y_{ij}^*)\triangle x \triangle$$

$$\iint_{R} f(x,y) dA = \lim_{\substack{M \to \infty \\ N \to \infty \\ \Delta x \to 70 \\ \Delta y \to 70}} \sum_{i=1}^{n} \int_{3}^{n} f(x_{ij}^{*}, y_{ij}^{*}) \Delta x \Delta y$$



85×414 8 = y = 12

(8,8)

 $V = \sum_{i=1}^{3} \sum_{j=1}^{2} \mathcal{F}(X_{ij}, Y_{ij}) \triangle A$ 

(4,8)

